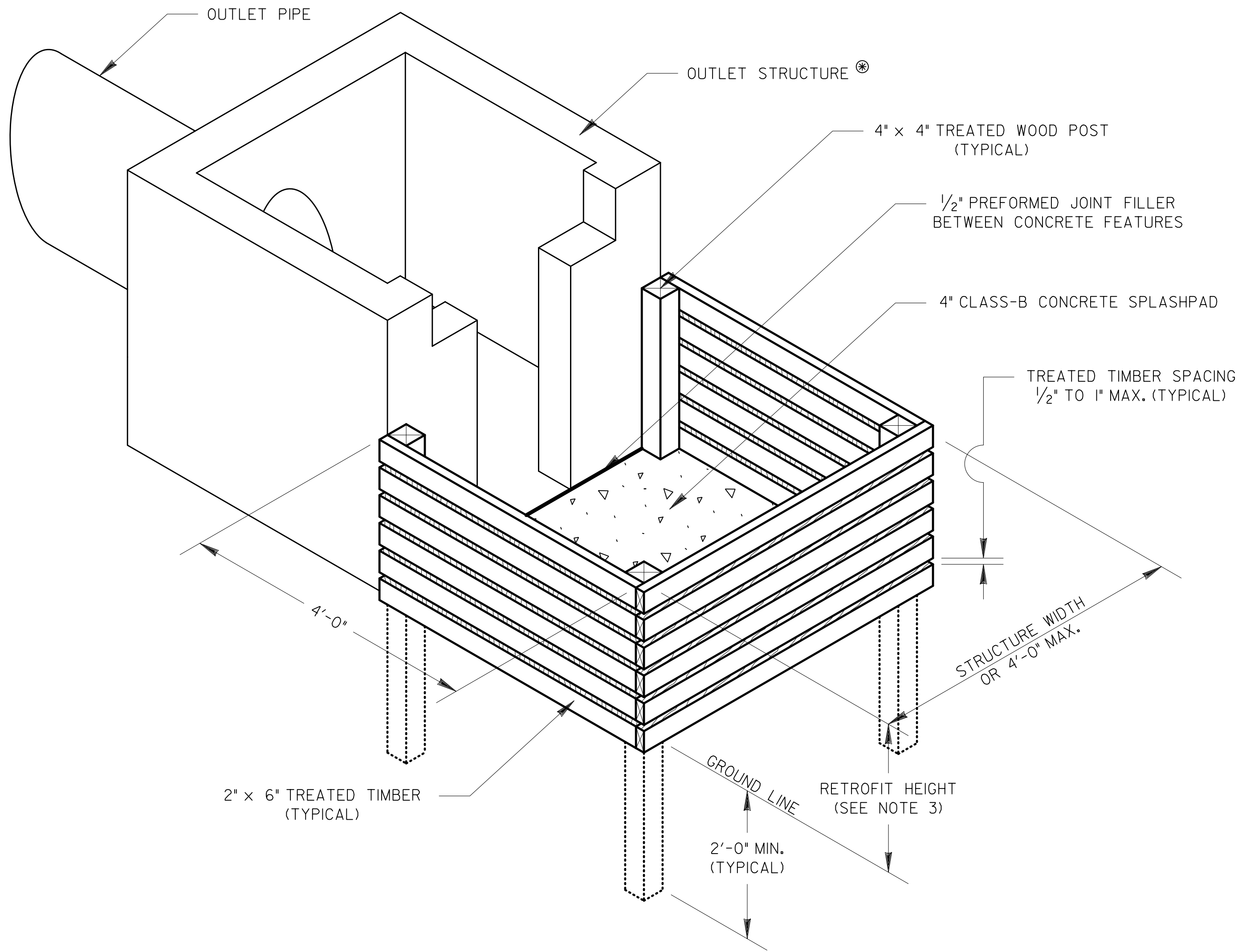
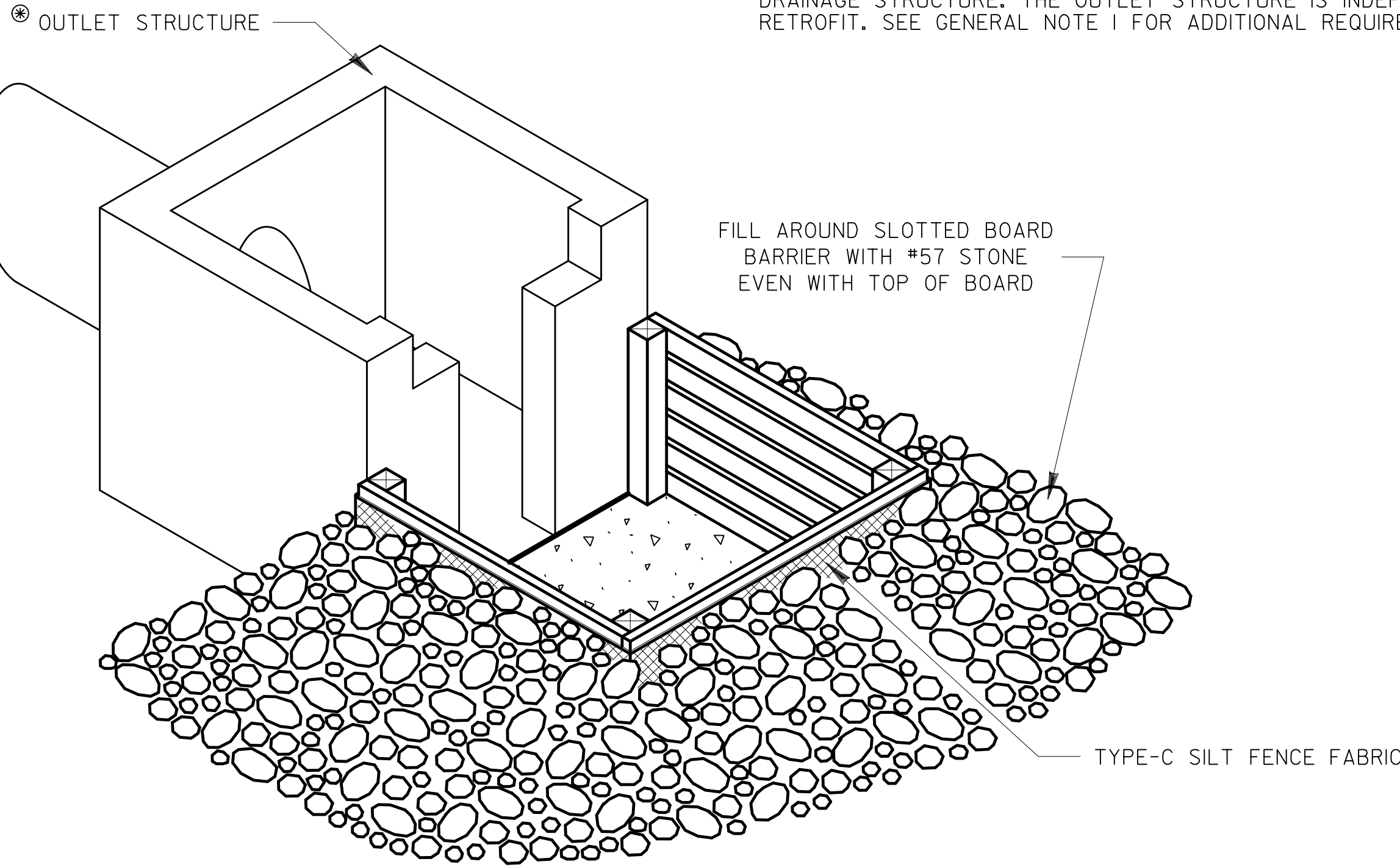


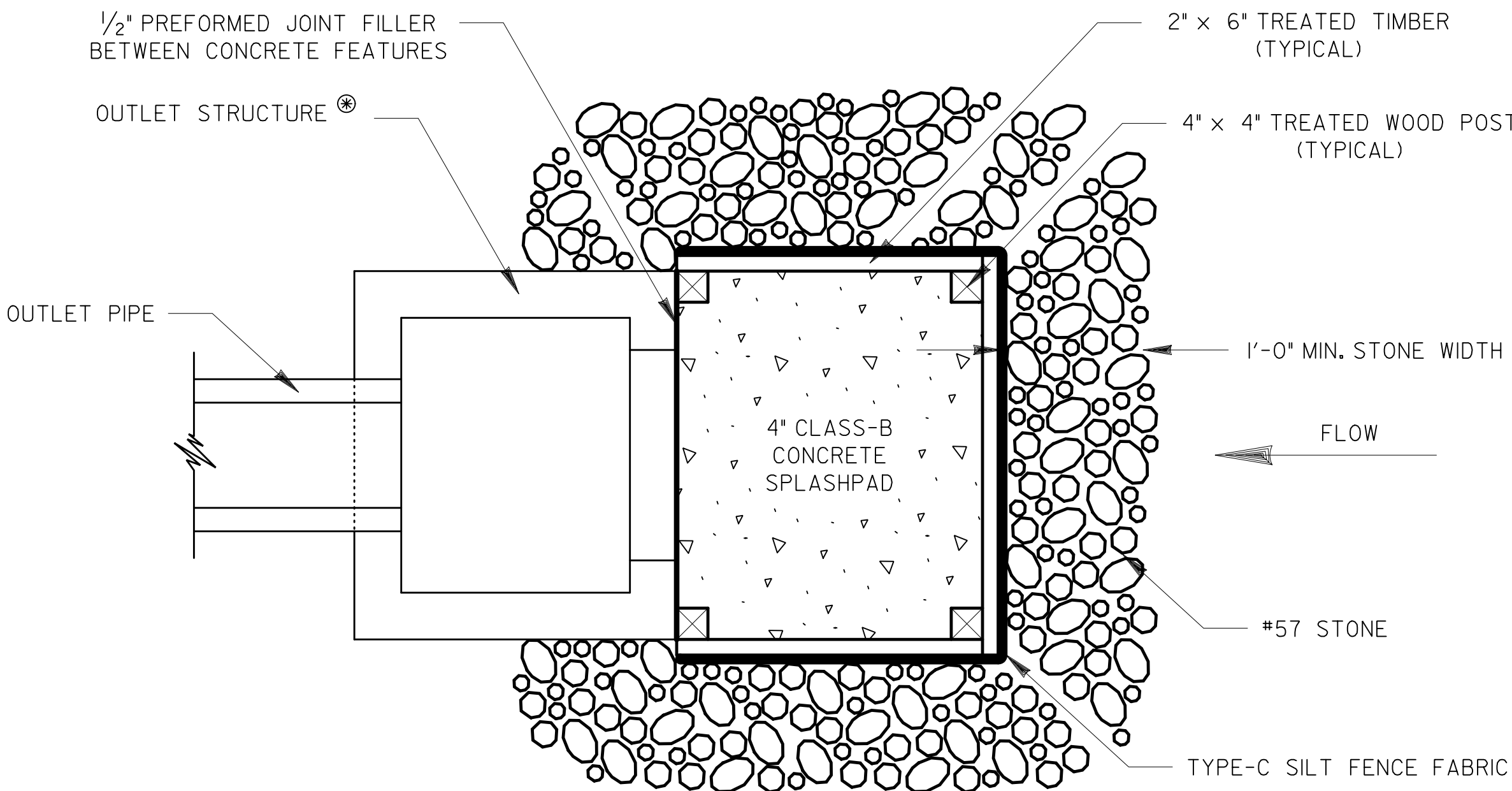
ISOMETRIC VIEWS



Ⓢ A BOXED OUTLET STRUCTURE WITH A WEIR IS SHOWN. HOWEVER, THE OUTLET STRUCTURE WILL VARY AS DESIGNED FOR THE DETENTION POND OR ROADWAY DRAINAGE STRUCTURE. THE OUTLET STRUCTURE IS INDEPENDENT OF THE RETROFIT. SEE GENERAL NOTE 1 FOR ADDITIONAL REQUIREMENTS.



PLAN VIEW



GENERAL NOTES:

1. SLOTTED BOARD DAM WITH STONE FILTER MAY BE TEMPORARILY PLACED ON A DETENTION POND'S PERMANENT OUTLET STRUCTURE. THE TOTAL DRAINAGE AREA TO THE DETENTION POND SHALL BE LESS THAN 100 ACRES.  
  
THIS RETROFIT BMP MAY ALSO BE TEMPORARILY PLACED ON ROADWAY DRAINAGE STRUCTURES SUCH AS OPEN END PIPE OR WINGED HEADWALLS. THE TOTAL DRAINAGE AREA TO THE ROADWAY DRAINAGE STRUCTURE SHALL BE LESS THAN 30 ACRES. HOWEVER, THIS RETROFIT BMP SHALL NOT BE USED ON ROADWAY DRAINAGE STRUCTURES CONVEYING FLOWING STREAMS.
2. THE DETENTION POND MUST BE CAPABLE OF TEMPORARILY STORING THE REQUIRED SEDIMENT STORAGE VOLUME IN ADDITION TO THE REQUIRED STORMWATER VOLUME.  
  
THE DETENTION POND SHALL BE LARGE ENOUGH TO TEMPORARILY STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA WITHIN IN THE CONTRIBUTING DRAINAGE AREA. THE REQUIRED SEDIMENT STORAGE VOLUME SHALL BE ACHIEVED BY EITHER EXCAVATING THE DETENTION POND OR RAISING THE OUTLET STRUCTURE'S INVERT. THE SEDIMENT STORAGE VOLUME ELEVATION SHALL BE MARKED ON THE OUTLET STRUCTURE OR BY SETTING A MARKED POST NEAR THE OUTLET STRUCTURE.
3. THE HEIGHT OF THE RETROFIT SHOULD BE APPROXIMATELY ONE-HALF THE HEIGHT OF THE DETENTION POND'S OUTLET STRUCTURE. FOR A ROADWAY DRAINAGE STRUCTURE, THE RETROFIT HEIGHT SHALL BE APPROXIMATELY TWO-THIRDS OF THE INSIDE PIPE DIAMETER (2 FEET MINIMUM HEIGHT).
4. ATTACH TYPE-C SILT FENCE FABRIC TO THE TREATED TIMBERS FROM THE GROUND LINE TO THE FULL RETROFIT HEIGHT PRIOR TO PLACEMENT OF NO. 57 STONE.
5. SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF RETROFITS. SEE STANDARD SPECIFICATION 165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF RETROFITS. SEDIMENT SHALL BE REMOVED WHEN ONE-THIRD OF THE SEDIMENT STORAGE CAPACITY, NOT THE TOTAL DETENTION POND CAPACITY, IS LOST TO SEDIMENT ACCUMULATION.

PAY ITEMS:  
163-0539 CONSTRUCT & REMOVE RETROFIT-SLOTTED BOARD DAM W/STONE FILTER (EA)  
165-0096 MAINTENANCE OF RETROFIT-SLOTTED BOARD DAM W/STONE FILTER (EA)

		7-5-18	DATE	DEPARTMENT OF TRANSPORTATION	
				STATE OF GEORGIA	
				CONSTRUCTION DETAILS	
				RETROFITTING STRUCTURE FOR	
				TEMPORARY SEDIMENT FILTER	
				SLOTTED BOARD DAM WITH	
				STONE FILTER	
				NO SCALE	MAY 2008
				DESIGNED _____	NUMBER D-45
				DRAWN _____	
				TRACED _____	
				CHECKED _____	